5th & final bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

225704

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work: Providing & Construction of CC Roads & Drains in & Surjatha dist front Side & Rekha Eswarigappa house Road at T Nakkalli Ward No-15.						
	Estimate cost: RS 50.00 lakhs						
	Job Code: 015-18-000020, P. Code 17 71						
	W.O.No: EE/DO/WO/39/18-19, Dt 04/10/18.						
	A.A.No: EE/DO/AS/689/17-18 at, 26/12/2017						
	I.S No: EE/DZ/TS/443/17-18, dt. 30/12/2017.						
	Tender Notification No:- BB&P/EE/DO/Tend/05/17-18, Dt 04/12/17						
	Agency: Sri Jagadish. K.						
	Recorded on:						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

225705

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide Item No. 2 on Page No 225783					Qty of this MB	
		@ 25.87 per cum				Qty = 734.40 cum	Carried to
	Item No. 3 providing, laying, Spreading & Compacting graded Stone aggregate to wet mix macadam specifications including for mixing the material with water at OMC in mechanical mix plant Carriage of macadam mix to dried density complete as per direction of engineer in charge of the work						63952.00/-

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No:1	a Dismantling of existing Structure like, Culverts, Bridges, Retaining walls & other Structure comprising of masonry, Cement Concrete, wood work, Steel work, including T&P lifts Complete as per Specification Item/ Cement Concrete M-20 & above.						
	qty vide Item No-1 in Page No 225781/1 of this MB. (Revised)				qty)	45.60 cum	
	(a) 22108.49/cum						49498.00/-
Item No:2	Excavation for Road, drains & similar works Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters & an average lift upto 0.50 m Complete as per Specification						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	
	aty vide Item No 3 in page No 225783					of this MB	
	@ Rs 1771.65/cum				aty =	45.60 cum	
Item No 4	providing & laying in position plain limited Concrete M 2						807
	with OPC ferrard @ 180 kg/cum with 40 mm & down size graded ag						
	Coarse aggregate @ 0.8 cum & fine aggregate @ 0.5 cum each						
	Curing complete as per Specifications.						
	aty vide Item No 4 in page No 225785					of this MB	
	@ Rs 5168.34/cum				aty =	230.40 cum	
							1191016

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

225706

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Item No 1.5	providing & fixing centering, shuttering, shuttering, plastering etc. & removal of form work for vertical surface such as walls at every thickness, labour, Complete as per specifications.						
4th Cross	L/S	4	30.00	0.90		108.00	Sq.M
		4	30.00	0.90		108.00	"
		4	4.00	0.90		14.40	"
	R/S	4	30.00	0.90		108.00	"
		4	30.00	0.90		108.00	"
		4	4.00	0.90		14.40	"

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road L/S	4	30.00	0.90		108.00	
		4	30.00	0.90		108.00	
		4	7.00	0.90		25.20	
	R/S	4	30.00	0.90		108.00	
		4	30.00	0.90		108.00	
		4	7.00	0.90		25.20	
	Cross Road L/S	4	30.00	0.90		108.00	
	R/S	4	30.00	0.90		108.00	
	Rekha Gangappa Kambi Road L/S	4	29.00	0.90		104.40	
	R/S	4	29.00	0.90		104.40	
						1368.00 Sqm	

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Measurement Book

Serial No. .....

225707

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Carried	@ Rs 31[illegible]1.20/Sqm					425722.00/-
	Item No: 6 Design mix M30 with OPC Cement @ 330 kgs. with 20mm & down Size graded granite metal Coarse aggregate @ 0.69 cum & fine aggregate @ 0.46 cum with Superplasticizer @ 3 ltrs confirming to IS 456 upto 5N/mm²						
	Bottom Slab						
	With Cross 4/S	1	30.00	0.90	0.10	2.70 cum	
		1	30.00	0.90	0.10	2.70 - 11-	
		4 no	0.90	0.10		0.36 - 11-	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		R/S	1	30.00	0.90	0.10	2.70-11-
			1	30.00	0.90	0.10	2.70-11-
			1	4.00	0.90	0.10	0.36-11-
	Cross Road	L/S	1	30.00	0.90	0.10	2.70-11-
			1	30.00	0.90	0.10	2.70-11-
			1	7.00	0.90	0.10	0.63-11-
		R/S	1	30.00	0.90	0.10	2.70-11-
			1	30.00	0.90	0.10	2.70-11-
			1	7.00	0.90	0.10	0.63-11-
	Cross Road	L/S	1	30.00	0.90	0.10	2.70-11-

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

225708

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	R/S	1	30.00	0.90	0.10	2.70 - 11-	
	Rekha Chargappa house						
	Road R/S	1	29.00	0.90	0.10	2.61 - 11-	
	L/S	1	29.00	0.90	0.10	2.61 - 11-	
	Wall						
	4th Cross L/S.	2	30.00	0.15	0.90	8.10 Cum	
		2	30.00	0.15	0.90	8.10 - 11-	
		2	4.00	0.15	0.90	1.08 - 11-	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	R/S	2	30.00	0.15	0.90	8.10-11-	
		2	30.00	0.15	0.90	8.10-11-	
	Cross Road L/S	2	4.00	0.15	0.90	1.08-11-	
		2	30.00	0.15	0.90	8.10-11-	
		2	30.00	0.15	0.90	8.10-11-	
	R/S	2	4.00	0.15	0.90	1.89-11-	
		2	30.00	0.15	0.90	8.10-11-	
		2	30.00	0.15	0.90	8.10-11-	
	Cross Road L/S	2	4.00	0.15	0.90	1.89-11-	
	R/S	2	30.00	0.15	0.90	8.10-11-	
		2	30.00	0.15	0.90	8.10-11-	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. 225703

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Ratha Chowgal to Kovil Road						
	Rs	2	29.00	0.15	0.90	7.83-11	Recd.
	LHS	2	29.85	0.15	0.90	7.83-11	
				Total qty =		136.80 cum	
		Say	6979.12/cum				954753.00/-
Item No 1-	providing & fixing precast reinforced concrete slab 10cm thick including cost of reinforcement as per design & drawing material cost, hire charges of machinery with all loads & lifts labour charges inclusive of cost of all materials						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4th Cross	1	30.00	0.90		27.00 Sqm	
		1	30.00	0.90		27.00 -11	
		1	4.00	0.90		3.60 -11	
	Cross Road	1	30.00	0.90		27.00 -11	
		1	30.00	0.90		27.00 -11	Recorded
		1	7.00	0.90		6.30 -11	
	Cross Road	1	30.00	0.90		27.00 -11	
	Rekha Chengappa house Road	1	29.00	0.90		26.10 -11	
					⇒	171.00 Sqm	
	6.12.2013	@ Rs	1701.40/Sqm				290939.00/-

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Measurement Book

225710

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Termination of Cement Concrete pavement, Construction of un-reinforced plain Cement Concrete pavement, thickness as per design, over prepared Sub-base with OPC Cement Grade 43 as per IS:269 with 25mm nominal down size crushed granite metal Coarse aggregate & fine aggregate with Super plasticizer @ 3.1% mixed in Concrete mixer of not less than 6/4 cum capacity & appropriate length batches as per approved mix design laid on approved prepared Sub-base complete with finishing to levels & grades as per drawing Complete as per Specification M30 (at 366 Kg) for cum Coarse aggregate @ 0.69 cum & fine aggregate 0.43 cum)						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

225711

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C&R Ex 12.2015	1	13.00	(4.3+3.50)/2	0.12	6.40 m = 129.62 sqm	Carried
		(a) DS: 6230.40/sqm					807584.00/-
Item No 9	providing groove cutting to concrete pavement for width of 3mm to 10mm & depth 80mm - 100mm including cost of cutting machine generated by Hon of machinery including cost of blade					drawing & as per Specification	
		1	50.00	4.20		210.00 Rmt	
		(a) DS: 122.14/Rmt					25649.00/-

R Ahmed

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No:	10 Vacuum de-watering with Vacuum pumps & Suction mat & Compaction with Steel floats shuttered with floating disc including cost of generator Hire of machinery Steel & disc etc with all lead & lift						
	with Cross	1	30.00	$\frac{(4.00+4.20)}{2}$		124.50 Sqm	
		1	30.00	$\frac{(4.20+4.00)}{2}$		123.00 -11-	
		1	4.00	$\frac{(4.00+4.00)}{2}$		16.00 -11-	
	Cross head:	1	30.00	$\frac{(4.00+4.20)}{2}$		123.00 -11-	
		1	30.00	$\frac{(4.20+4.00)}{2}$		124.50 -11-	
		1	7.00	$\frac{(4.00+4.00)}{2}$		28.35 -11-	
	Cross head	1	30.00	$\frac{(4.30+4.40)}{2}$		130.50 -11-	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

225712

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Rathachangalpeharis Road	1	30.00	$\frac{35+37.70}{2}$		105.00 -11	
		1	30.00	$\frac{37.70+44.30}{2}$		120.00-11	
		1	30.00	$\frac{44.30+44.30}{2}$		129.00-11	Revised
		1	35.00	$\frac{44.30+44.30}{2}$		107.50 -11	
						1134.35 Sqm	
		@ Rs 95.59/Sqm					108433.00/-
Item No 11	Supplying, fitting & placing T or T bar FC 500 Reinforcement in Sub-Structure complete as per drawing & Technical specification						Complete as per Specification

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aty vide Item No 11 in page No 225	785/1				of this MB.	
					aty =>	10612.44 kg	Recd.
						=> 10.615 tonne.	
		(a)	66615.10/tonne				706249.00/-
Item No: 12	Disposal of debris to the final place of disposal incl. all lead & lift as direction by the engineer in charge of the work, lead 4 Km a) Average earth of work 1.28 tonne/Km for road loading & unloading aty vide Item No:- 2						
					aty(=)	734.40 cum	
		(a)	85.85/cum				63026.00/-
	Recd.					Total bill amt =>	4768314.00/-